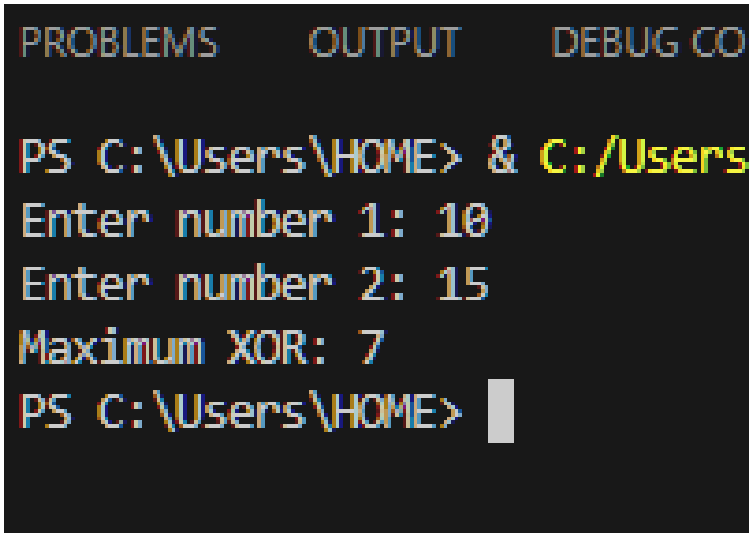
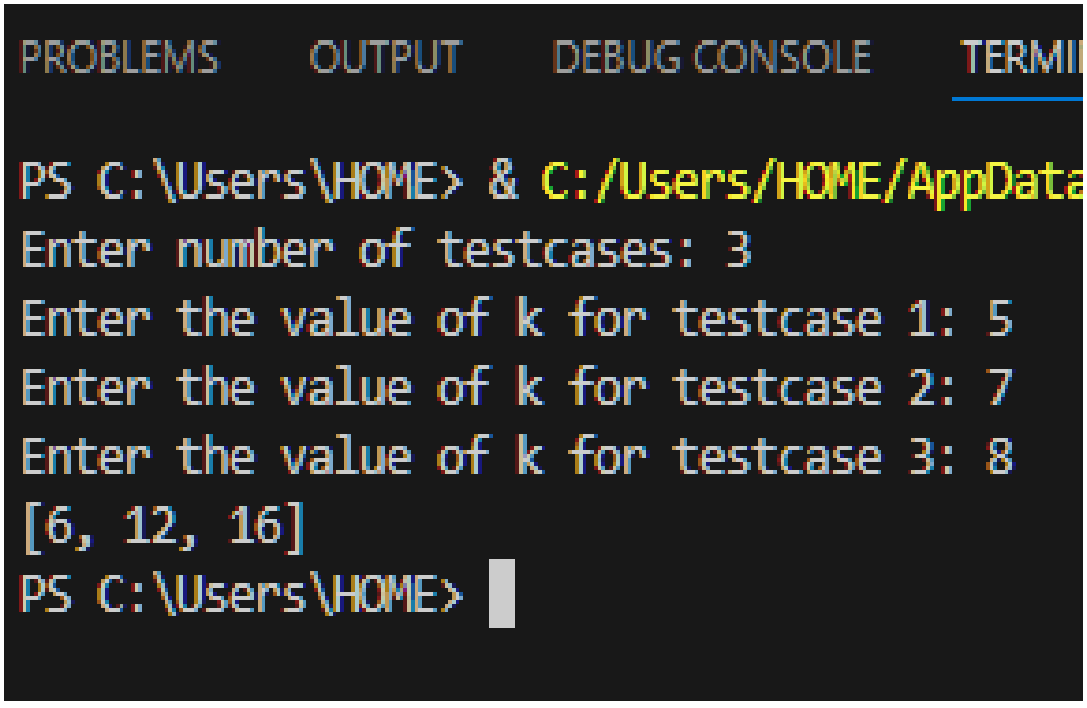
```
n1 = int(input("Enter number 1: "))
n2 = int(input("Enter number 2: "))
max = -1
for i in range(n1, n2+1):
    for j in range(i, n2+1):
        if(i ^ j > max):
            max = i ^ j
print(f"Maximum XOR: {max}")
```

Output:



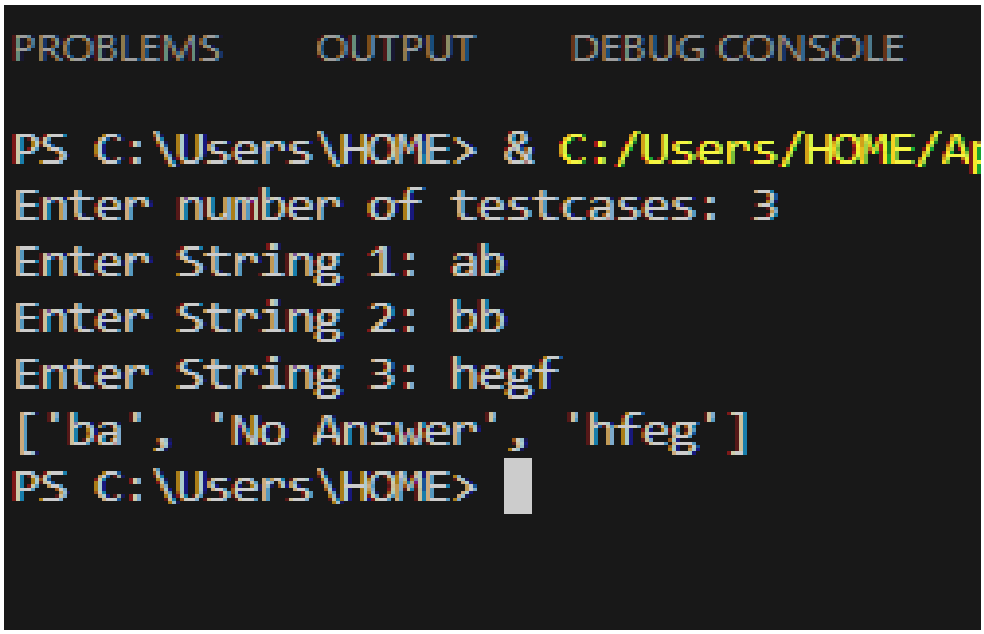
```
k = int(input("Enter the value of k: "))
if(k%2 != 0):
    k = [(k+1)*(k-1)] // 4
else:
    k = (k**2 // 4)
print(f"Maximum pieces: {k}")
```

Output:



```
def nextLexicographicalString(string):
    string = list(string)
    i = len(string) - 2
    while i >= 0 and string[i] >= string[i + 1]:
        i -= 1

    if i == -1:
        return "No Answer"

    j = len(string) - 1
    while string[j] <= string[i]:
        j -= 1

    string[i], string[j] = string[j], string[i]
    string = string[:i + 1] + string[i + 1:][::-1]
    return ''.join(string)

n = int(input("Enter number of testcases: "))
output = []
for i in range(n):
    string = input(f"Enter String {i+1}: ")
    output.append(nextLexicographicalString(string))
print(output)
```

Output:


PROBLEMS OUTPUT DEBUG CONSOLE
PS C:\Users\HOME> & C:/Users/HOME/A
Enter number of testcases: 3
Enter String 1: ab
Enter String 2: bb
Enter String 3: hegf
['ba', 'No Answer', 'hfeg']
PS C:\Users\HOME>